## SEQUENCE LISTING

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<110> St.George-Hyslop, Peter H.
            Fraser, Paul E.
            University of Toronto
      <120> PROTEINS RELATED TO SCHIZOPHRENIA AND USES THEREOF
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## Leu

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | 400>       |            |            |            |            |            |            |            |            |            |            |            |                                                |            |
| Met<br>1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Ala        | Thr        | Thr        | Arg<br>5   | Gly        | Gly        | Ser        | Gly        | Pro<br>10  | Asp        | Pro        | Gly        | Ser        | Arg<br>15                                      | Gly        |
| Leu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Leu        | Leu        | Leu<br>20  | Ser        | Phe        | Ser        | Val        | Val<br>25  | Leu        | Ala        | Gly        | Leu        | Cys<br>30  | Gly                                            | Gly        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Ser        | Val<br>35  |            | Arg        | Lys        | Ile        | Tyr<br>40  |            | Pro        | Leu        | Asn        | Lys<br>45  | Thr        | Ala                                            | Pro        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Val<br>50  |            | Leu        | Leu        | Asn        | Ala<br>55  |            | His        | Gln        | Ile        | Gly<br>60  |            | Gln        | Ser                                            | Ser        |
| 1 11 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | Gly        | Asp        | Thr        | Gly<br>70  |            | Ile        | His        | Val        | Val<br>75  |            | Lys        | Glu        | Glu                                            | Asp<br>80  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lys        | Trp        | Val        | Leu<br>85  |            | Asp        | Gly        | Pro        | Asn<br>90  |            | Pro        | Tyr        | Met        | Val<br>95                                      |            |
| Heu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Glu        | Gly        | Lys<br>100 |            | Phe        | Thr        | Arg        | Asp        |            | Met        | Glu        | Lys        | Leu<br>110 | Lys                                            | Gly        |
| hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Thr        |            |            | Ile        | Ala        | Gly        |            |            | Val        | Thr        | Leu        |            |            | Pro                                            | Asn        |
| Ser                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            | 115<br>Ser | Ser        | Phe        | Ser        |            | 120<br>Ser | Val        | Gln        | Cys        |            | 125<br>Asn | Asp        | Gly                                            | Phe        |
| Gly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 130<br>Ile | Tyr        | Ser        | Asn        |            | 135<br>Tyr | Gly        | Pro        | Glu        |            | 140<br>Ala | His        | Cys        | Lys                                            | _          |
| 145<br>Thr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Leu        | Trp        | Asn        |            | 150<br>Leu | Gly        | Asn        | Gly        | Leu        | 155<br>Ala | Tyr        | Glu        | Asp        | Phe                                            | 160<br>Ser |
| Phe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Pro        | Ile        | Phe        | 165<br>Leu | Leu        | Glu        | Asp        | Glu        | 170<br>Asn | Glu        | Thr        | Lys        | Val        | 175<br>Ile                                     | Lys        |
| Gln                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cys        | Tyr        | 180<br>Gln | Asp        | His        | Asn        | Leu        | 185<br>Gly | Gln        | Asn        | Gly        | Ser        | 190<br>Ala | Pro                                            | Ser        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | 195        |            |            |            |            | 200        |            |            |            |            | 205        |            | Val                                            |            |
| Ser                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 210        |            |            |            |            | 215        |            |            |            |            | 220        |            |            | Phe                                            |            |
| 225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |            |            |            | 230        |            |            |            |            | 235        |            |            |            |                                                | 240        |
| 116                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | WOII       | LTO        | GIU        | 245        | val        | Cys        | Ash        | ETO        | 250        | ser        | Ash        | тйт        | ASII       | Val<br>255                                     | ттЪ        |

| Ser         | Met        | Leu        | Lys<br>260 | Pro        | Ile        | Asn        | Thr        | Ser<br>265 | Val        | Gly        | Leu        | Glu        | Pro<br>270 | Asp        | Val        |
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Gln Val Thr Lys Leu Glu Lys Cys Phe Gln Asp Phe Asn Asn His Asn Tyr Glu Thr His Ala Leu Arg Ser Leu Cys Ala Val Glu Val Lys Ser Phe Met Ser Ala Ala Val Asn Thr Glu Val Cys Met Arg Arg Thr Asn Phe Ile Asn Asn Leu Gly Gly Ser Lys Tyr Cys Asp Pro Leu Glu Gly Arg Asn Val Ser Pro Pro Cys Thr Pro Glu Ser Gln Gln Ser Glu Thr Thr Leu Glu Thr Val His Thr Asn Glu Lys Phe Ile Leu Val Thr Cys Arg Leu Asp Thr Thr Met Phe Asp Gly Val Gly Leu Gly Ala Met Asp Ser Leu Met Gly Phe Ala Val Phe Thr His Val Ala Tyr Leu Leu Lys Gln Leu Leu Pro Pro Gln Ser Lys Asp Leu His Asn Val Leu Phe Val Thr Phe Asn Gly Glu Ser Tyr Asp Tyr Ile Gly Ser Gln Arg Phe Mal Tyr Asp Met Glu Lys Leu Gln Phe Pro Thr Glu Ser Thr Gly Thr 遲ro Pro Ile Ala Phe Asp Asn Ile Asp Phe Met Leu Asp Ile Gly Thr Meu Asp Asp Ile Ser Asn Ile Lys Leu His Ala Leu Asn Gly Thr Thr 🕮eu Ala Gln Gln Ile Leu Glu Arg Leu Asn Asn Tyr Ala Lys Ser Pro 🏗 Tyr Gly Phe Asn Leu Asn Ile Gln Ser Glu Met Ser Ala His Leu 410: ₱ro Pro Thr Ser Ala Gln Ser Phe Leu Arg Arg Asp Pro Asn Phe Asn 🕮 la Leu Ile Leu Asn Ala Arg Pro Thr Asn Lys Tyr Tyr His Ser Thr Tyr Asp Asp Ala Asp Asn Val Asp Phe Thr Tyr Ala Asn Thr Ser Lys Asp Phe Thr Gln Leu Thr Glu Val Asn Asp Phe Lys Ser Leu Asn Pro Asp Ser Leu Gln Met Lys Val Arg Asn Val Ser Ser Ile Val Ala Met Ala Leu Tyr Gln Thr Ile Thr Gly Lys Glu Tyr Thr Gly Thr Lys Val Ala Asn Pro Leu Met Ala Asp Glu Phe Leu Tyr Cys Phe Leu Gln Ser Ala Asp Cys Pro Leu Phe Lys Ala Ala Ser Tyr Pro Gly Ser Gln Leu Thr Asn Leu Pro Pro Met Arg Tyr Ile Ser Val Leu Gly Gly Ser Gln 

Glu Ser Ser Gly Tyr Thr Tyr Arg Leu Leu Gly Tyr Leu Leu Ser Gln 565 570 Leu Gln Pro Asp Ile His Arg Asp Asn Cys Thr Asp Leu Pro Leu His 580 585 Tyr Phe Ala Gly Phe Asn Asn Ile Gly Glu Cys Arg Leu Thr Thr Gln 600 Asn Tyr Ser His Ala Leu Ser Pro Ala Phe Leu Ile Asp Gly Tyr Asp 615 Trp Ser Ser Gly Met Tyr Ser Thr Trp Thr Glu Ser Thr Trp Ser Gln 630 635 Phe Ser Ala Arg Ile Phe Leu Arg Pro Ser Asn Val His Gln Val Thr 645 650 Thr Leu Ser Val Gly Ile Val Val Leu Ile Ile Ser Phe Cys Leu Val 660 665 Tyr Ile Ile Ser Ser Arg Ser Glu Val Leu Phe Glu Asp Leu Pro Ala 675 680 Ser Asn Ala Ala Leu Phe Gly 690 695 <210> 19 <211> 17 <212> PRT <213> human <400> 19 IA la Arg Leu Ala Arg Ala Leu Ser Pro Ala Phe Glu Leu Ser Gln Trp 111 15 ∝Ser STATE OF THE PERSON NAMED IN 14 ğırk.